

Figures 1-6 for Weiss, B.

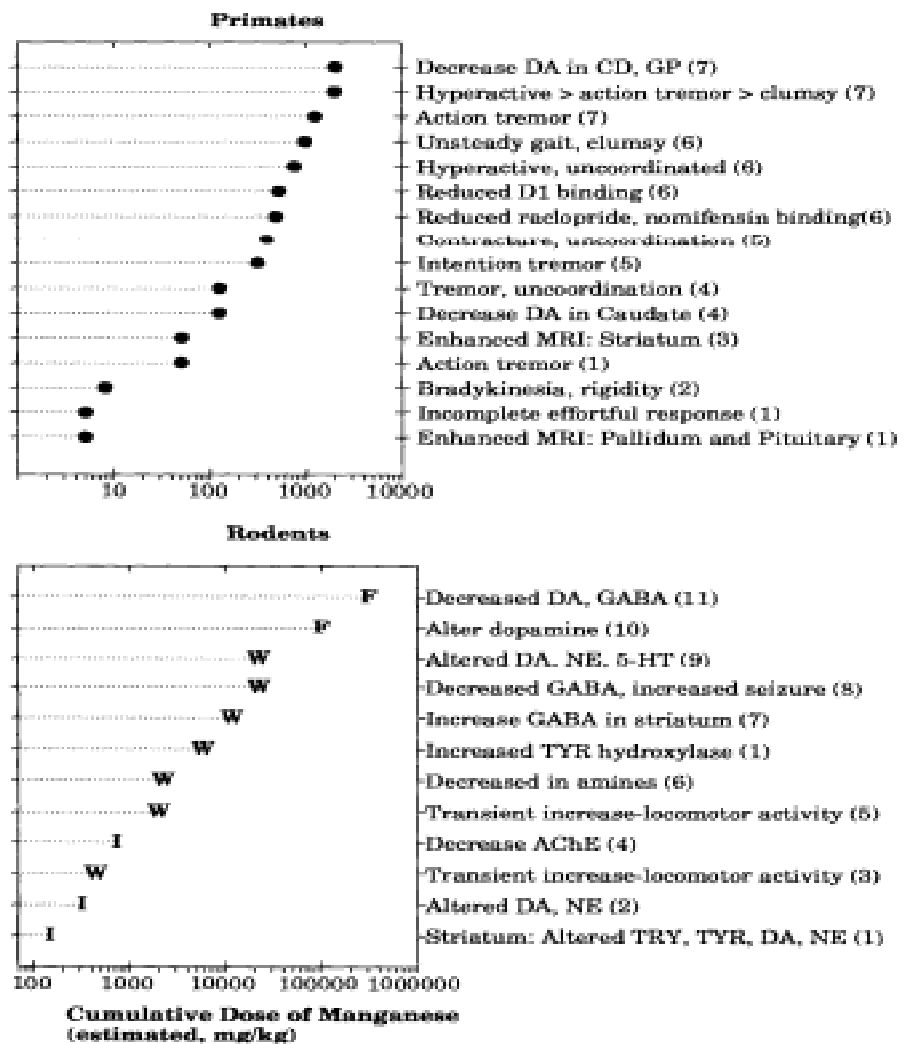


Figure 1. Relationships between administered manganese dose and indices of neurotoxicity in primates and rodents (Newland, 1999).

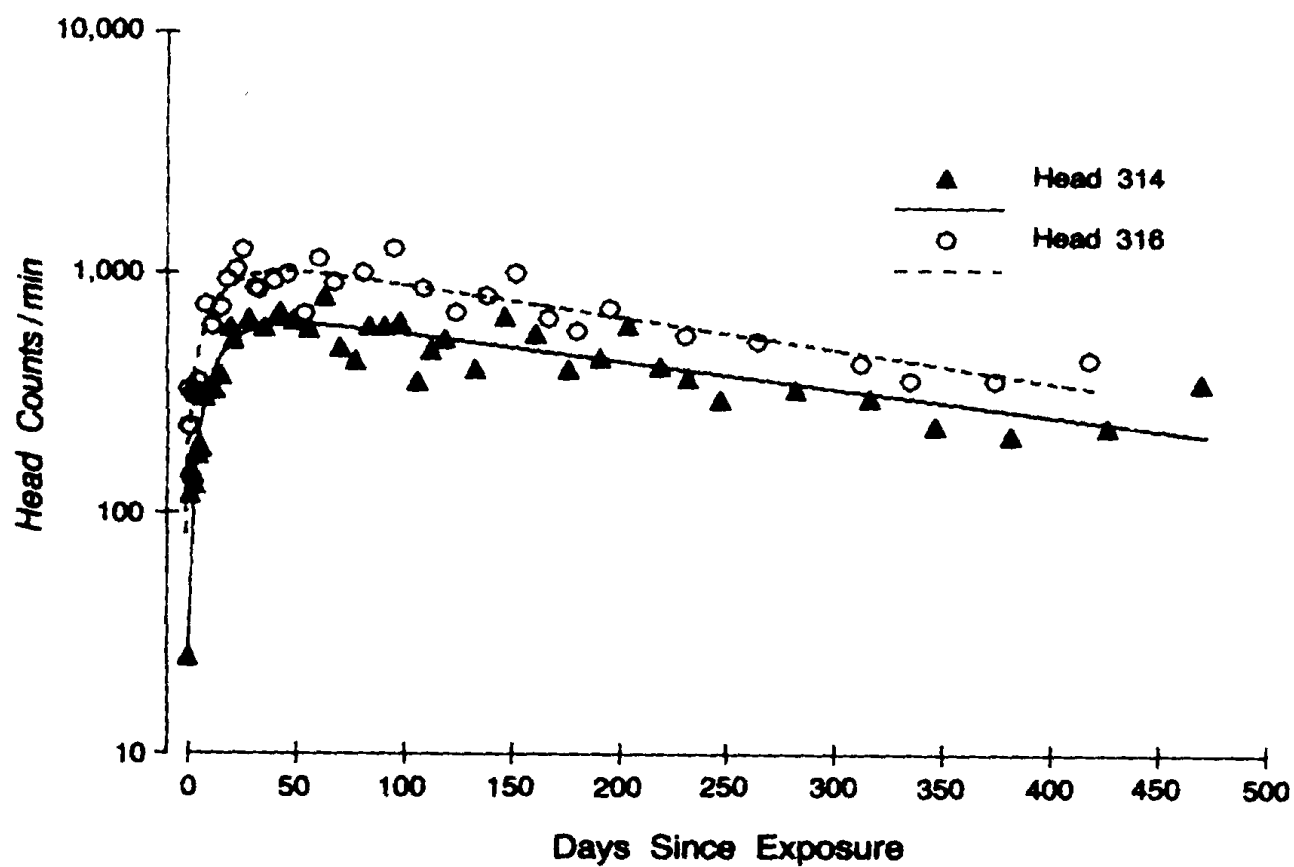


Figure 2. Radioactivity in the head after inhalation of ^{54}Mn in two monkeys (*M. nemestrina*). From Newland et al, 1987.

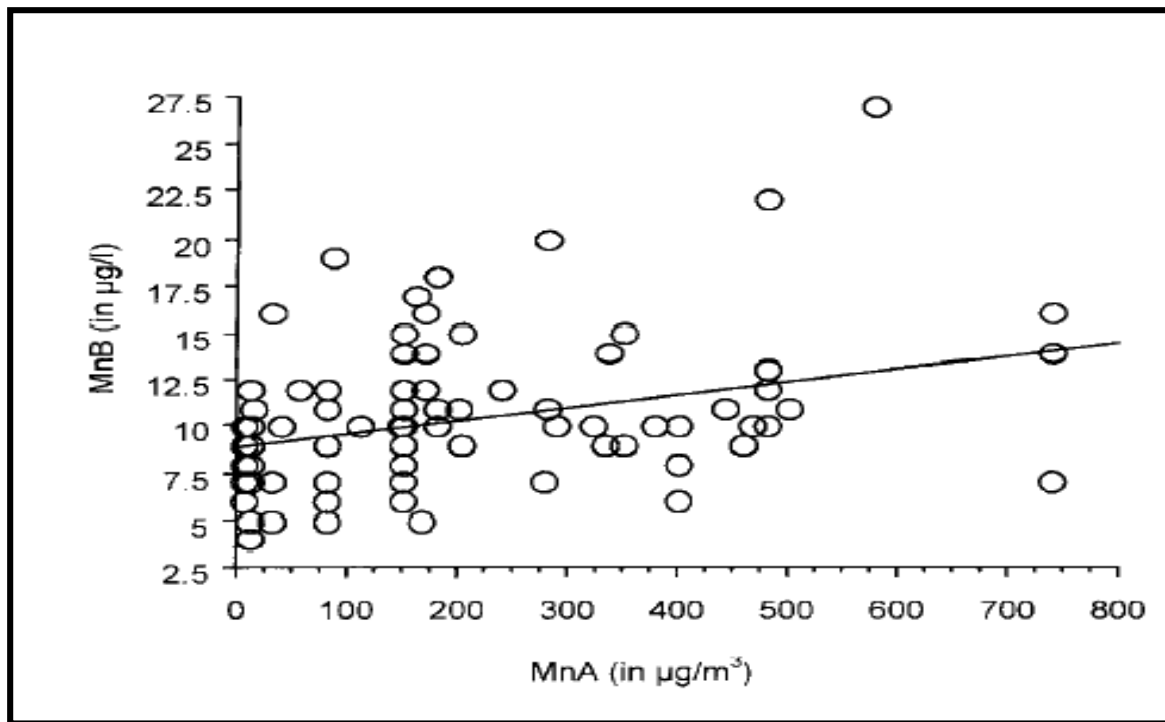
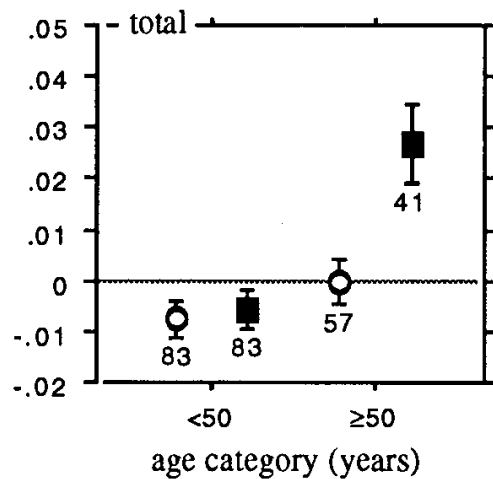


Figure 3. Relationship between air and blood manganese levels in exposed workers (Apostoli et al, 2000)

EKM: Irregularity



(Mn: $p < 0.01$; age: $p < 0.001$
Mn x age: $p < 0.01$)

Figure 4. Performance on the Irregularity score of the task requiring alternate striking of spatially separated targets. Key: ■ = MnB > 7.5 µg/L. ○ = MnB < 7.5 µg/L. From Mergler et al, 1999.

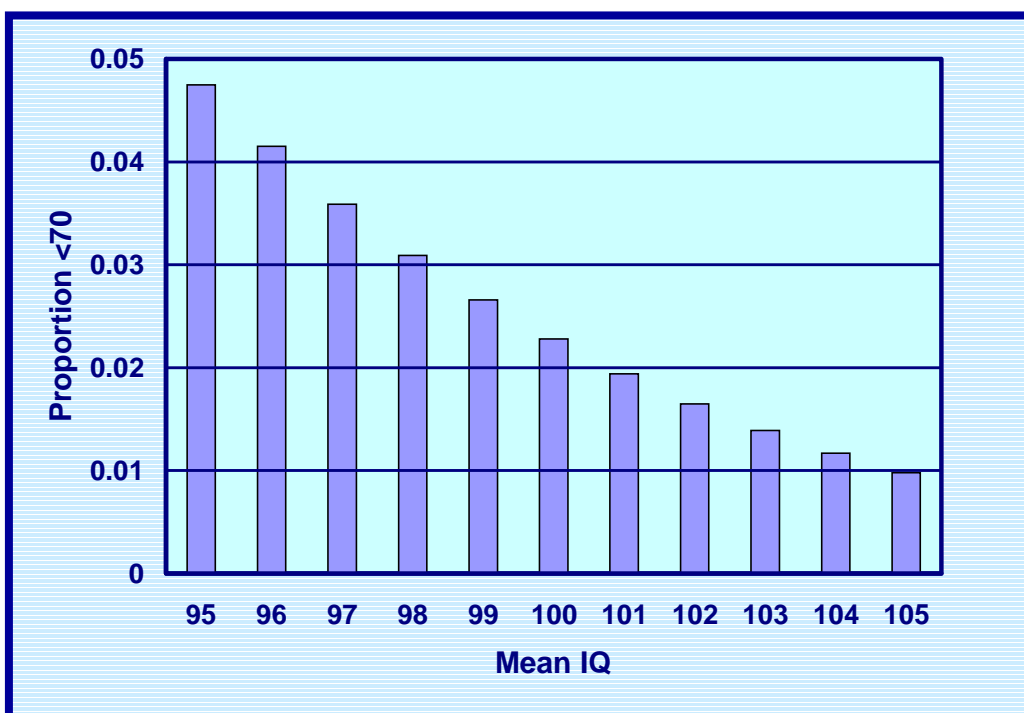
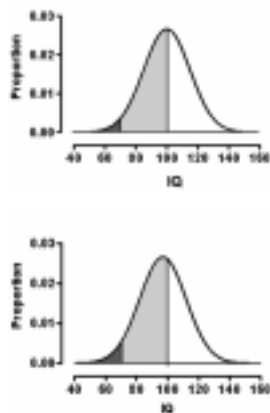


Figure 6. Proportion of Individuals in Retarded Range with Different Population Mean IQ Scores

IQ Distributions: Effects of a 3% Shift in the Mean



- Upper chart shows an IQ distribution with a mean of 100 and SD of 15. The dark area represents the 2.3% of the population below 70. The light area represents those with IQs below 100 and above 70.
- The lower chart depicts an IQ distribution with a mean of 97. Here, 3.2% of the population falls below 70. IQ of 100 is shown on both charts.

Figure 5. Consequences for classification of Mentally Retarded ($IQ < 70$) of a 3% shift in the IQ distribution. (cf., Weiss, 2000.)